

Discovery, The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences

Volume 2

Article 2

Fall 2001

Contents

Discovery Editors

Follow this and additional works at: <https://scholarworks.uark.edu/discoverymag>



Part of the [Agribusiness Commons](#), [Agricultural Economics Commons](#), [Agricultural Education Commons](#), [Agronomy and Crop Sciences Commons](#), [Animal Sciences Commons](#), [Botany Commons](#), [Communication Commons](#), [Entomology Commons](#), [Environmental Studies Commons](#), [Food Science Commons](#), [Home Economics Commons](#), [Horticulture Commons](#), and the [Nutrition Commons](#)

Recommended Citation

Editors, D. (2001). Contents. *Discovery, The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences*, 2(1), 1-1. Retrieved from <https://scholarworks.uark.edu/discoverymag/vol2/iss1/2>

This Front Matter is brought to you for free and open access by ScholarWorks@UARK. It has been accepted for inclusion in Discovery, The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences by an authorized editor of ScholarWorks@UARK. For more information, please contact ccmiddle@uark.edu.

DISCOVERY

The Student Journal of the Dale Bumpers College of Agricultural, Food and Life Sciences
Vol. 2, Fall 2001

John R. Clark
Faculty Editor

Camilla Romund
Managing Editor

Nicholas B. Anthony
Director,
College Honors Program

Honors Committee
Edward E. Gbur, Jr.
Donald M. Johnson
Teddy E. Morelock
Charles Rosenkrans, Jr.
Fred Stephen
David TeBeest
Mary M. Warnock
Duane C. Wolf

Gregory J. Weidemann
Interim Dean, Dale Bumpers
College of Agricultural, Food and
Life Sciences, and Associate
Director, Arkansas Agricultural
Experiment Station

Donna L. Graham
Interim Associate Dean

© 2000 by the University of Arkansas,
Fayetteville 72701.
All rights reserved.
Printed in the U.S.A.

Contents

Undergraduate Research Articles

- The possible enzymatic differences between cattle and sheep in
their response to ergot alkaloids
Susan M. Cannon, Charles F. Rosenkrans, Jr., and Ali Moubarak.....3
- Improvements in turfgrass color and density resulting from
comprehensive soil diagnostics
Matt Cordell, Jonathan Davis, and David E. Longer.....8
- Peripheral blood leukocyte response and macrophage function during
Eimeria adenoides infection in turkey poult
*Amanda D. Drake, Sarah E. Heuer, Timothy G. Kimball, Timothy O. Peters,
H. David Chapman, and Gisela F. Erf*.....13
- Prediction of rice texture from starch profiles measured using
high-performance liquid chromatography
Hazel Fromm and J.-F. Meullenet.....21
- Correlating fissure occurrence to rice quality for various drying and
tempering treatments
M.J. Jiménez, T.J. Siebenmorgen, and A.G. Cnossen.....27
- Vasotocin receptor expression in the brain and pituitary gland during the
ovulatory cycle of the fowl
Kelly R. Shaffer, Jorge A. Vizcarra, and John Kirby.....33
- Development of the interactive broiler income spreadsheet
Tara Shofner and H.L. Goodwin, Jr.38
- Lagging behind: Fayetteville's historic architecture
Jennifer Taylor and Jennifer Webb.....46
- Sulfur amino acid requirements of broilers from two to five weeks of age
Jill A. Townsend, H. R. (Trey) Pope, and Jason L. Emmert.....52
- Evaluation of chilling requirements for six Arkansas blackberry cultivars
utilizing stem cuttings
Dayanee Yazzetti and John R. Clark.....57

Instructions for Authors

.....63



UNIVERSITY OF ARKANSAS
DIVISION OF AGRICULTURE



Cover photo by Scott Bauer (glass parabiotic chamber used to test animal stomach tissue for permeability in the presence of alkaloids)